Approved For Relative 2000/06/06: CIA-RDP81B00880R000100230016-1 96 NOV 59 1856Z SECRE DIRECTOR 25X1A DPD (1-2-3-4 25X1A S/C (11) EDF IN 10941 Ø3 NOV 59 1856Z TOR: 25X1A 1266

: 34...

Ao

1047 (IN 38762)

8. 0995 (IN 10890)

25X1A MR.

25X1A

- ARTICLE 351 (610423) WAS CHECKED BUT UNCHANGED FROM REF A. TRIM.
  - 2. DATA:

RPW 70702, EGT 250 COCKPIT, 263 MINI-MITE, FUEL/FLOW 1975.

RPW 80%, EGT 278 COCKPIT 295MM, FF 3185,

RPW 85%, EGT 323 COCKPIT 338 MM, FF 4355.

RPM 90%, EGT 398 COCKPIT 415MM, FF 6700.

RPM 95%, EGT 498 CCCKPIT 507MM, FF 9750.

AUTH: HR 70-2 DATE: 21114 RPM 100.1%, EGT 594 COCKPIT 595 MM, FF :2000.

PAM 28.75 INCHES TAM 20 DEGREES GENTIGRADE.

- 3. ENGINE 610423 HAS THE TAILPIPE WITH INCREASED AREA. WE HAVE CHECKED IT WITH A TEMPLATE. THE AREA WAS INCREASED AT TO PREVENT STALLS.
  - PLEASE ADVISE BY PRICEITY MSG.

END OF MESSAGE

NO CHARGE IN CLASS. []

CLASS, CHANGED TO: TS S (C)

\_ REVIEWER:

FEC! ASSIMED

NEXT REVIEW DATE: .

SECRET

23092 5 NCV 59	SECRE:	The state of the	218 W
25X1A	For the control was a second as the control of the		
OPD (1,8,1,4,5,5,7,8,9	,16)	MST	ROUTINE
3/C ((11)			IN 1080
TOR: Ø0182 6 NOV 59	25X1A		6005
REF A. COR: 1947	<b></b>	<del>Will</del>	Ø995
25XIA COR: 1943		DOCUMENT NO.  NO CHANGE IN CLASS. CL  LE DECLASSIFIED  CLASS, CHANGED TO: TS	s 6 2011
RE: TRIM DIFFICULTY IN			ER: 037169
1. IT APPEARS THAT E			
the course of th	CORPECT HEE THE	* ACLAIN AGO ***********************************	h. 4 1990 200 - h 4600 atto o arrest de

- OR CHECK COCKPIT EGT.
- 25X1A 2. AS SHOWN BY 449 TRIM DATA (REF J75-1Ø), AY 17C YOU SHOULD NOT EXPECT TO GET 95 PERCENT AT POWER LEVER QUADRANT STOP. REM AT QUADRANT STOP SHOULD FOLLOW SAME SLOPE AS TRIM CURVE VERSUS OAT. AT 170, QUAHRANT STOP SHOULD GIVE APPROXIMATELY 90 PERCENT TO 91 PERCENT.
- 3. RPA AND EGT REPORTED FOR 423 ARE NOT COMPATIBLE. THIS COULD NOT BE EXFLAINED BY FUEL CONTROL MALFUNCTION. WHEN 423 TRIM SET AT 99.2 PERCENT REM YOUR FUEL FLOW MUST HAVE BEEN WELL ABOVE 12,000 PPH. ENGINE CYLLE WILL NOT PERMIT EGT AND RPM COMBINATION YOU DESCRIBE UNLESS EXHAUST AREA WERE GREATLY INCREASED OR COMPRESSOR WERE PRACTICALLY BLOCKED BY CONTAMINATION. IF THIS HAD ANYTHING TO DO WITH CONTROL .

SECRET

## Approved For Receive 2000/06/06 : CIA-RDP81B02680R000100230016-1

SECRET

25X1A Page 2 **25X1** 

IN 1Ø89Ø

MALFUNCTION, THE EGT, RPM, AND FUEL FLOW WOULD ALL BE COMPATIBLE ALTHOUGH OF WRONG LEVEL. PLEASE ADVISE FUEL FLOWS FOR \$23 TRIM RUBS IF AVAILABLE.

- 4. THE THRUST AT 90 PERCENT TO 91 PERCENT RM ON A 17 C DAY IS EQUAL. TO OR GREATER THAN THRUST AT 95 PERCENT RM ON 29C DAY. COLDER DAY YIELDS SUFFICIENT THRUST AT LOWER RPM.
- 5. FOR REFERENCE IN RIGGING PLA QUADRANT STOP, DRAW STRAIGHT LINE
  BETWEEN 90 PERCENT RPW AT 60F AND 50 PERCENT RPM AT 90F ON CURVE SIMILAR
  TO GUE PART POWER TRIM CURVE.

  RIGGING DATA VERSUS DAT.

  25X1A
- 6. TRIM CURVE IS EASIER TO USE IF NAMEPLATE IS LEFT OUT. DATA PLATE SPEED VARIATION IS LESS THAN 1/2 PERCENT, AND THIS IS NOT CRITICAL TRIM VARIATION.
  - 7. Overspeed limit is 100.7 percent but is being reviewed. Will Almi
- 8. IF EGT SYSTEM IS FOUND WRONG, 423 HAS BEEN OPERATED AT EGT WELL. ABOVE MAKHAUM AND MUST BE REMOVED AND RETURNED FOR OVERHAUL.
- 25X1A GIL BOOST SIGNAL LINE MAY BE RE-ROLLED, AS PER INSTRUCTIONS BY

  KITS SHOULD BE AVAILABLE FOR PERMANENT CHANGE SHORTLY.

  END OF MESSAGE

SECRET